

# United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/736,336	12/15/2003	Hyunjun Kim	P17176	3721	
28062	7590 11/07/2005		EXAM	EXAMINER	
BUCKLEY, MASCHOFF, TALWALKAR LLC			MAI, A	MAI, ANH T	
5 ELM STRE	· <del>····</del> -		ART UNIT	PAPER NUMBER	
NEW CANAAN, CT 06840			2832	TALERNOMBER	
				DATE MAILED: 11/07/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

ŧ								
-		Application No.	Applicant(s)	H				
		10/736,336	KIM ET AL.					
	Office Action Summary	Examiner	Art Unit					
		Anh T. Mai	2832					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DV asions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period or reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this α D (35 U.S.C. § 133).					
Status								
1)⊠	Responsive to communication(s) filed on <u>07 O</u>	<u>ctober 2005</u> .						
,—	•	action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
5)□ 6)⊠ 7)□	Claim(s) 1-17 is/are pending in the application. 4a) Of the above claim(s) 4 and 12-17 is/are wi Claim(s) is/are allowed. Claim(s) 1-3 and 5-11 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	thdrawn from consideration.						
Applicati	ion Papers							
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 Cl					
Priority ı	under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.								
2) Notice 3) Information	et (s)  te of References Cited (PTO-892)  te of Draftsperson's Patent Drawing Review (PTO-948)  mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  tr No(s)/Mail Date 12/15/03.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	O-152)				

#### **DETAILED ACTION**

### Election/Restrictions

1. Claims 4, 12-17 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected species, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on September 30, 2005.

In the instant application, claims 1-3, 5-11 have been considered and examined.

## Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-3, 5-11 are rejected under 35 U.S.C. 102b) as being anticipated by JP 11-219825 [JP'825].

JP'825 discloses a first portion of a spiral inductor L1 disposed on the first layer of multilayer substrate; a second portion of spiral inductor L2 disposed on the second layer of multilayer substrate; a shielding plane [ground plane] 6, disposed between the first and second portions of the inductor.

With respect to claim 3, current is to flow in the first direction in the first portion and second direction in second portion opposite to the first direction [figure 1].

With respect to claims 6-7, via 9 couples the first and second portion.

With respect to claim 8, dielectric layer 7a disposed between first layer and shielding plane and layer 6a disposed between second layer and shielding plane.

Application/Control Number: 10/736,336 Page 3

Art Unit: 2832

With respect to claims 9-11, the claims are method counterpart of structure claims 1-3.

#### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 form.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 571-272-1995. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

am

ANH MAI
PRIMARY EXAMINER